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SAFETY DATA SHEET - PART I - Prepared in accordance with the Regulation on Safety Data Sheets Related to Harmful Substances and Mixtures (OG: 13.12.2014, 29204).

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: TEQGUARD BTAC

1.2 Details of the supplier of the safety data sheet

Manufacturer/Importer/Distributor Information

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Telephone : General information

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1.4 Emergency telephone number

Emergency Health Services: 112

National Poison Information Center (IRS): 114

SECTION 2: Hazards identification

Classification of substances and mixtures Regulation on Labeling and Packaging (OG: 11/12/2013, 28848 muc.)
According to the classification:

GHS Classification :

Skin Corrosion/Irritation Category 3

Eye irritation Category 2A

○

Symbol :



Signal word : Warning

○

Hazard statement :

H316

H319

Causes mild skin irritation.

Causes serious eye irritation.

Precautionary statement

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Prevention

P264

P280

Wash

thoroughly after handling

Wear eye protection/face protection

Response

P302+352

P305+351+338

P332+313

P337+P313

IF ON SKIN: Wash with soap and water

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses if present and easy to do continue rinsing

If skin irritation occurs: Get medical advice/attention

If eye irritation persists: Get medical advice/attention

Storage

P40

4 Store in a closed container

Disposal

P501

Dispose of contents/container

in accordance with local/

regional/national/international regulations (to be specified).

3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent (% w/w)
Quaternary ammonium compounds C20-C22 alkyl trimethyl chloride	68607-24-9	67 ~ 70
Dipropylene glycol	25265-71-8	~ 32
Water	7732-18-5	~3

4. First Aid Measures

After eye contact

o Flush eyes with running water for at least 20 minutes while holding eyelids apart.

o If symptoms persist, call a physician.

After skin contact

o Wash with soap and running water for at least 20 minutes.

o If symptoms persist, call a physician.

After inhalation

o Move victim to fresh air and keep victim warm and quiet.

o Give artificial respiration if victim is not breathing.

o If symptoms persist, call a physician.

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After swallowing

- Call a physician immediately.
- Never give anything by mouth to an unconscious person.

Notes to physician

- It may not be advisable to induce vomiting.
- Measures against circulatory shock and convulsions may be necessary.

5. Fire Fighting Measures

Extinguishing media

Suitable extinguishing agents : Foam, Carbondioxide, water fog or spray

Unsuitable extinguishing agents : -

Large Fires :-

Hazardous combustion products :Carbon Oxides(COx), Hydrogen chloride

Protection of firefighters

Specific hazards arising from the chemical : Combustion generates toxic fumes

Protective equipment for firefighters :

Firefighters should wear self-contained breathing apparatus (SCBA).

General fire hazards

- Water or foam may cause frothing which can be violent and possibly endanger the life of the fire fighter.
- Water may be used to keep fire-exposed containers cool until fire is out.
- Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

6. Accidental Release Measures

Personal precautions

- Use personal protective equipment.
- No danger almost exists as adding agent of detergents.
- Wash off in clean water.

Environmental precautions

- Atmosphere: Use with adequate ventilation.
- Land: Dike far ahead of liquid spill for later disposal.
- Underwater: Prevent entry into waterway and sewers

Methods for cleaning up

Small Spill

- Collect as much as possible in a clean container for (preferable) reuse or disposal.

Large Spill

- Stop leak if you can do it without risk.
- Collect as much as possible in a clean container for (preferable) reuse or disposal.
- Vacuum or sweep up material and place in a designated, labeled waste container.

7. Handling and Storage

Safe Handling

- Avoid breathing dusts.
- Wash off in water after treatment

Safe Storage

- Normal temperature and normal pressure
- Keep container closed tightly when not in use.

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Empty container contains residual product which may exhibit hazards of product. Avoid prolonged exposure to heat and air.

8. Exposure Controls and Personal Protection

Engineering Controls : Use with local exhaust ventilation.

Exposure Limits: Not regulated

Personal Protective Equipment

Respiratory Protection: None required under normal handling conditions. Use NIOSH approved dust mask if dust levels are irritating.

Eyes: Wear safety glasses with side shields against dust and particulates

Skin: Wearing chemical resistant gloves is recommended.

Clothing: Uniforms, coveralls, or a lab coat should be worn.

9. Physical and Chemical Information

Appearance	Solid (at 25°C)
Color	Not available
Odor	Not available
Odor threshold	Not determined
pH	5-8 (2% in H ₂ O/EtOH=1/1)
Melting point/Freezing point	Not available
Initial boiling point and Boiling range:	Not available
Flashpoint	137°C (Dipropylene glycol)
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	Not available
Vapor pressure	Not available
Solubility	Not available
Vapor density	>1 (air=1)
Relative Density	Not available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Molecular weight	Not available

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10. Stability and Reactivity

Stability : Stable under recommended storage and handling conditions. Conditions to Avoid : Contact with moisture and/or water causing lump situation. Incompatible materials : Oxidizing agents
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

○ Acute toxicity (Oral)	<u>Dipropylene glycol</u> Rat LD50=13300 mg/kg bw (IUCLID)
○ Acute toxicity (Dermal)	<u>Dipropylene glycol</u> Rabbit LD50>5000 mg/kg bw (IUCLID)
○ Acute toxicity (inhalation)	No data
○ Skin corrosion/irritation	<u>Dipropylene glycol</u> Rabbit, Slightly irritating (IUCLID)
○ Serious eye damage/eye irritation	<u>Dipropylene glycol</u> Rabbit, not irritating (IUCLID)
○ Respiratory sensitization	No data
○ Skin sensitization	<u>Dipropylene glycol</u> Human, Maximization test ; not sensitizing (IUCLID)
○ Carcinogenicity	No data
○ Germ cell mutagenicity	<u>Dipropylene glycol</u> In vitro Ames test Salmonella Typhimurium negative GLP (IUCLID)
○ Reproductive toxicity	<u>Dipropylene glycol</u> Fertility ; Rabbit gavage NOAEL(parental) >1200 mg/kg bw (IUCLID) Developmental/teratogenicity ; Rat gavage NOAEL(Maternal)= 800 mg/kg bw, NOAEL (Teratogen)>5000 mg/kg bw GLP (IUCLID)
○ Specific target organ Toxicity (Single exposure)	No data
○ Specific target organ Toxicity (Repeated exposure)	<u>Dipropylene glycol</u> Rat drinking water 33-77 days NOAEL=5% (3100 mg/kg bw/day) some died with hydropic

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	degeneration of kidney tubular epithelium and liver parenchyma. (IUCLID)
○ Aspiration	No data

12. Ecological Information

○ Toxicity	Dipropylene glycol : Material is practically non- toxic to aquatic organisms on an acute basis Fish Acute & Prolonged Toxicity LC50 fathead minnow (Pimephales promelas), static, 96 h: > 10,000 mg/l Aquatic Invertebrate Acute Toxicity LC50, water flea Daphnia magna, static, 48 h, immobilization: > 10,000 mg/l Toxicity to Micro-organisms EC50; bacteria, Growth inhibition, 16 h: > 5,000 mg/l
○ Persistence and degradability	<u>Dipropylene glycol</u> Material is readily biodegradable. Passes OECD test(s) for ready biodegradability.
○ Bioaccumulative potential	<u>Dipropylene glycol</u> : Does not bio-accumulate significantly.
○ Mobility in soil	<u>Dipropylene glycol</u> If entered in soil, it will be highly mobile and may contaminate groundwater. Dissolves in water.

13. Disposal Considerations

○ Incinerate or landfill waste in a properly permitted facility in accordance with federal, state and local regulations. Liquids cannot be disposed of in a landfill.

14. Transport Information

UN Number : NOT CLASSIFIED AS "DANGEROUS GOODS"

Proper Shipping Name : No data. Transport hazard class : No data. Packing group, if applicable : No data.

Environmental hazards : No data.-

Special precautions for user : No data.

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15. Regulatory Information

Safety, health and environmental regulations specific for the product in question:

- EU Regulation
- Directive 67/548/EEC : Not regulated
- Regulation (EC) No 1272/2008 : Not regulated
- ESIS : HPVCs (High Production Volume Chemicals): Dipropylene glycol
- US Regulation
- Toxic Substances Control Act (TSCA) Inventory : All components of this product are registered
- OSHA Regulation (Standard-29 CFR) 1910.119 : not regulated
- CERCLA SARA Title III Section 313: Not regulated
- CERCLA SARA Title III Section 311: Not regulated
- CERCLA SARA Title III Section 304: Not regulated
- CERCLA SARA Title III Section 302: Not regulated
- International Regulation
- INCI(International Nomenclature of Cosmetic Ingredients):

Behentrimonium Chloride is classified as Antistatic, Hair conditioning, Preservative Dipropylene glycol is classified as Masking, Solvent, Viscosity Controlling, Perfuming

- International Council of Chemical Associations (ICCA) HPV Chemicals Programme : Dipropylene glycol
- OECD/High Production Volume (HPV) Chemicals Programme : Dipropylene glycol
- Rotterdam Convention: Not regulated
- Stockholm Convention on Persistent Organic Pollutants(POPs): Not regulated
- Montreal Protocol : Not regulated

16. Other Information

- National library of Medicine (NLM)
- ECB-ESIS (European chemical Substances Information System)
- e-Chemportal: The Global Portal to Information on Chemical Substances
- U.S. Environmental Protection Agency
- Emergency Response Guidebook (2008)
- International Council of Chemical Associations (ICCA)
- INCI(International Nomenclature of Cosmetic Ingredients)

Edited

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Certificate Number and date: GBF01.27.02 /02.02.2019